

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-2. (Canceled)

3. (Previously Presented) An apparatus comprising:
a plurality of photodetector elements disposed on a semiconductor substrate; and
a compound light directing member comprising a light pipe bundle, at least some of the light pipes to individually direct light energy from one or more sources onto one or more of the photodetector elements,
outputs of the photodetector elements being electrically coupled such that an image associated with one or more sources may be synthesized at output circuitry, the photodetector elements and compound light directing member together comprising a substantially planar artificial compound eye.

4. (Original) The apparatus of claim 3 wherein the light pipe bundle includes first and second light pipes, the first light pipe having an external surface that is at a first angle relative to the substrate to preferentially receive light from a first direction, the second light pipe having an external surface that is at a second angle relative to the substrate to preferentially receive light from a

second direction, the first and second angles and first and second directions being different from each other.

Claims 5-9 (Canceled)

10. (Previously Presented) An apparatus comprising:
a light directing member including a plurality of fiber optic elements; and
an array of photodetector elements disposed on a single integrated circuit device, a set of the photodetector elements being coupled to receive light energy from a source via one or more of the fiber optic elements, the set of the photodetector elements being wired to produce an image corresponding to the source at output circuitry to be coupled to the set of the photodetector elements, wherein the light directing member and the single integrated circuit device together provide a substantially planar, artificial, compound eye.

Claims 11-22 (Canceled)